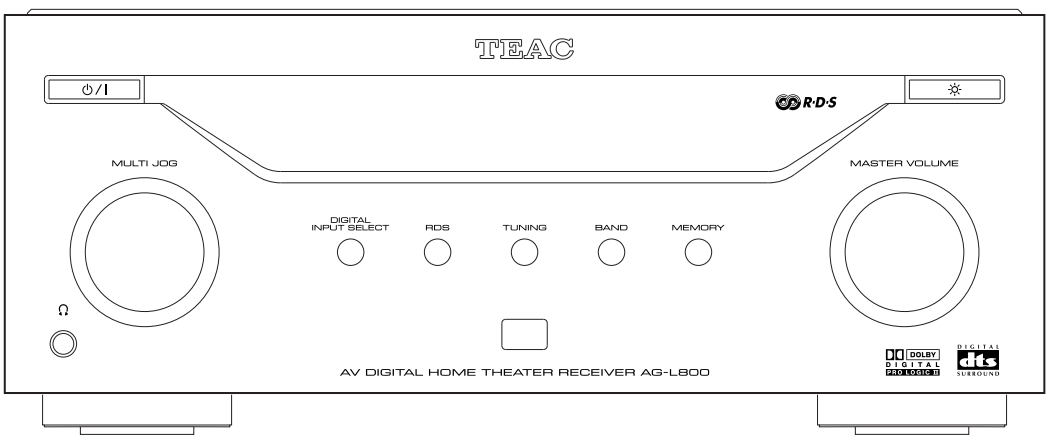
9A09478200

TEAC

AG-L800

AV Digital Home Theater Receiver

OWNER'S MANUAL



Thank you for choosing a TEAC. Read this manual carefully to get the best performance from this unit.

IMPORTANT (for U.K.Customers)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not provided with a mains plug, or one has to be fitted, then follow the instructions given below:

IMPORTANT. DO NOT make any connection to the larger terminal which is marked with the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-and-YELLOW.

The wires in the mains lead on this product are coloured in accordance with the following code:

BLUE : NEUTRAL
BROWN : LIVE

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

When replacing the fuse only a correctly rated approved type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT — CONSULT A COMPETENT ELECTRICIAN.

Contents

Before Use 3
- Read this before operation
- Back-ip Memory Function

Positioning of the Speakers 3

Connection
- CAUTION 4
- Speaker Connection 4
- PRE OUT jack 5
- DVD 5
- HDR/VCR, SAT, AUX 6
- CD-R, MD, TAPE 7
- ZONE-2 OUT 7
- Power cord (AC) 7
- REMOTE CONTROL connection 8

Connecting Antennas
- FM Indoor Antenna 8
- FM Outdoor Antenna 8
- AM Indoor Loop Antanna 9
- AM Outdoor Antanna 9

Names of Each Control
- Front Panel 10
- Remote Control Unit 11

Basic Opeartions 12

Radio Reception 15
- How to select preset stations 15

Preseting
- Automatic Memory Presetting 16
- Manual Memory Presetting 16

RDS (Radio Data System) 17

PTY Search 19

Video Operations 20
- Playing Video Sources
- Video Dubbing

Available Surround Modes 21

Speaker Configuration 23

Delay Time 24

Test Tone 25

Troubleshooting 26

To reset the unit 26

Specifications 27

Read this before operation

- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- The ventilation holes should not be covered. Make sure there is at least 50 cm of space above and at least 10 cm of space on each side of the receiver. Do not place a CD player or other equipment on top of the receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the set, contact your dealer.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

CAUTION Regarding Placement
To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) equal to, or greater than, shown below.

Left and Right Panels	**: 10 cm**
Rear Panel	**: 10 cm**
Top Panel	**: 50 cm**

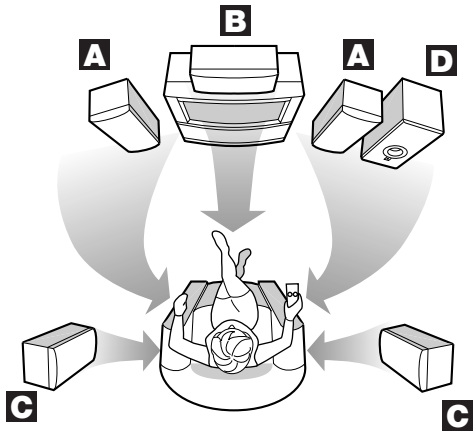
Back-up Memory Function

This is the function which preserves the preset memory and most-recent memory functions. In the event of a power failure, or if the power cord of this unit is disconnected from the electric outlet, the back-up memory will preserve the preset memory and most-recent memory functions for as long as approximately 3 days.

To Prevent Erasing the Memory

Do not interrupt the power supply for 3 days or longer or do not connect the power cord to a switched AC outlet of other equipment. (timer, etc.)

The positioning of speakers differs according to the size and acoustics of the listening room. While actually listening to a program source, try various speaker positions to determine which layout provides the best surround effect.



Place the speakers connected to "L" to your left, and "R" to your right.

A Front speakers

Use magnetic shielded speakers or place your speakers 1 m or more away from the TV.
Place the front speakers in front of the listening position, to the left and right of the TV.

B Center speaker

Use magnetic shielded speakers.
Place a center speaker between the front speakers, on or below the TV.
This speaker stabilizes the sound image and helps to recreate sound motion.

C Rear speaker

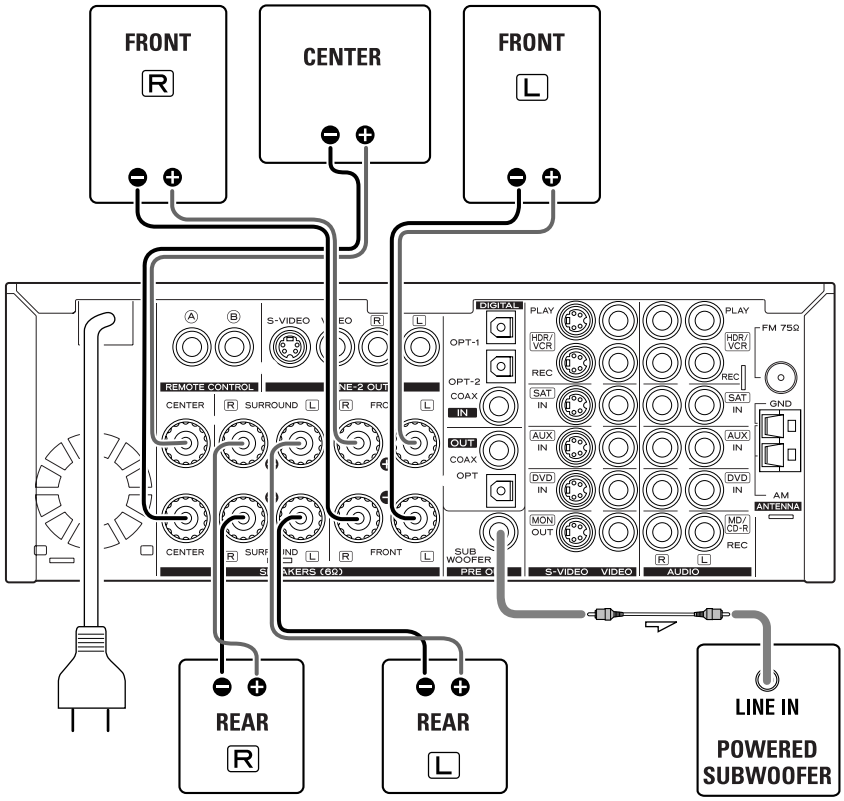
Install these speakers above the level of the listener's ears, to the left and right.

Do not install the rear speakers too far behind the listening position. It might be effective to direct the rear speakers towards a wall or ceiling to further disperse the sound.

D Subwoofer

Reproduces powerful and deep bass sounds.
Use a subwoofer with built-in amplifier.

SPEAKERS, PRE OUT



Connection

CAUTION

Turn off the power of all the equipment before making connections. Read instructions of each component you intend to use with this unit.

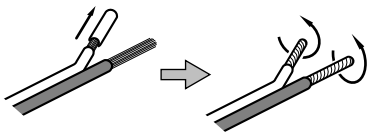
- Be sure to insert each plug securely. To prevent hum and noise, do not bundle the connection cords with the power cord or speaker cord.

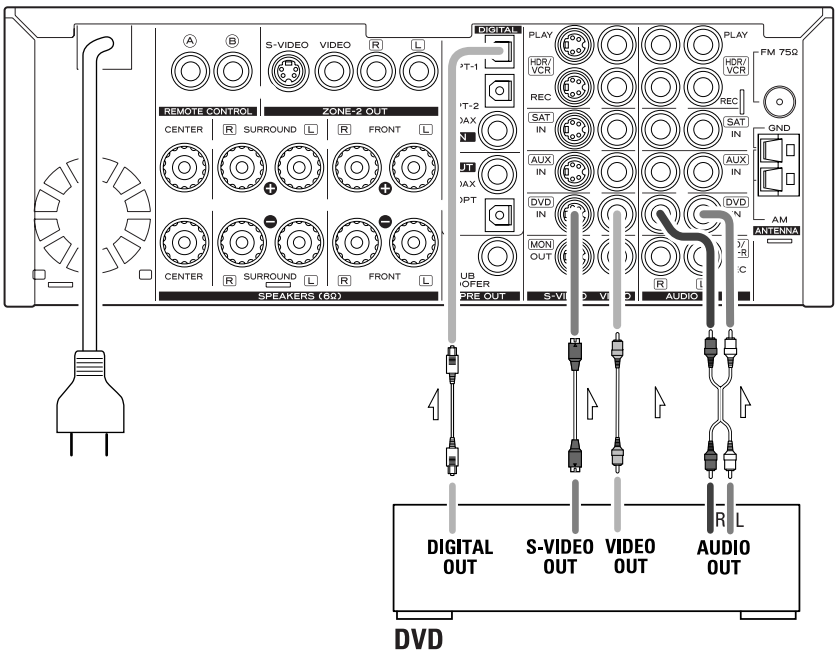
Speaker Connections

Caution:

To avoid damaging the speakers by inputting a sudden high-level signal, be sure to switch the power off before connecting the speakers.

- Check the impedance of your speakers.
  Connect speakers with an impedance of 6 ohms preferably.
- The receiver's red speaker terminals are the ⊕ (positive) terminals and the black terminals are the ⊖ (negative) terminals. The ⊕ side of the speaker cable is marked to make it distinguishable from the negative side of the cable. Connect this marked side to the red ⊕ terminal and the unmarked side to the black terminal.
- Prepare the speaker cords for connection by stripping off approximately 10 mm or less (no more as this could cause a short-circuit) of the outer insulation.
  Twist the wires tightly together so that they are not straggly.





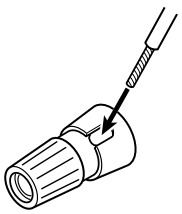
Connection

How to connect

1 Turn the terminal cap counterclockwise to loosen it. The speaker terminal caps cannot be fully removed from the base.

2 Insert the wire into the terminal fully and turn the terminal cap clockwise to securely connect it.

3 Make sure it is fastened firm by pulling the cable lightly.



PRE OUT jack

Use these jack to connect additional powered subwoofer or additional speaker set with power amplifier.

DVD

Connection between the AG-L800 and the DV-L800 is provided by the cables come with the DV-L800, except that, if you want, you have to get an S-VIDEO cable ready.

Optical DIGITAL IN (AG-L800) → Optical DIGITAL OUT (DV-L800)

S-VIDEO DVD IN (AG-L800) → S-VIDEO OUT (DV-L800)

VIDEO DVD IN (AG-L800) → VIDEO OUT (DV-L800)

AUDIO DVD IN (AG-L800) → AUDIO OUT (DV-L800)

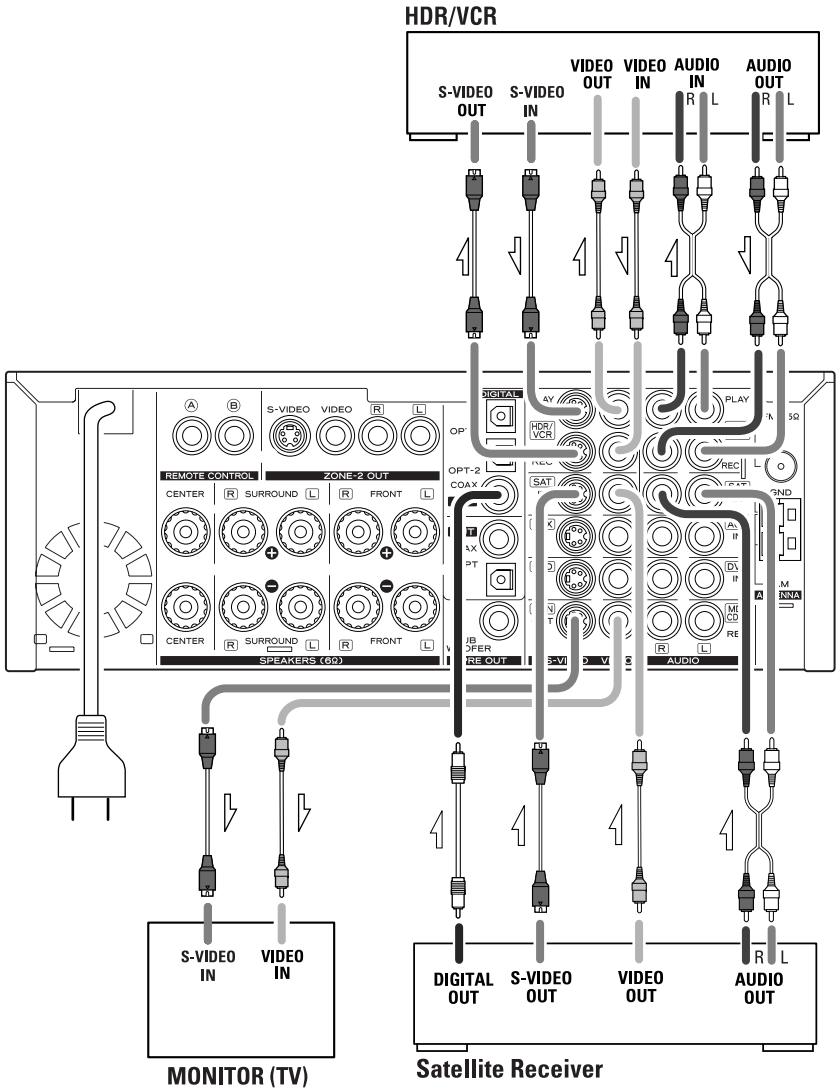
white plug → whitejack (L:left)

red plug → red jack (R:right)

Note:
Avoid a combined use of S-VIDEO and VIDEO connections. Use one or the other throughout your system.

- When you use the component connection or the SCART connection for RGB, connect the DVD player directly to the TV.

HDR/VCR
SAT
AUX
MONITOR



Connection

HDR/VCR, SAT, AUX

Connect the component with RCA pin cords. Make sure to connect :
white plug → white jack(L:left)
red plug → red jack(R:right)
yellow plug → yellow jack(VIDEO)

By connecting S-VIDEO jacks, you can enjoy a clear picture. If the component has S-VIDEO jacks, connect them with S-VIDEO cords.

Note:
Avoid a combined use of S-VIDEO and VIDEO connections.
Use one or the other throughout your system.

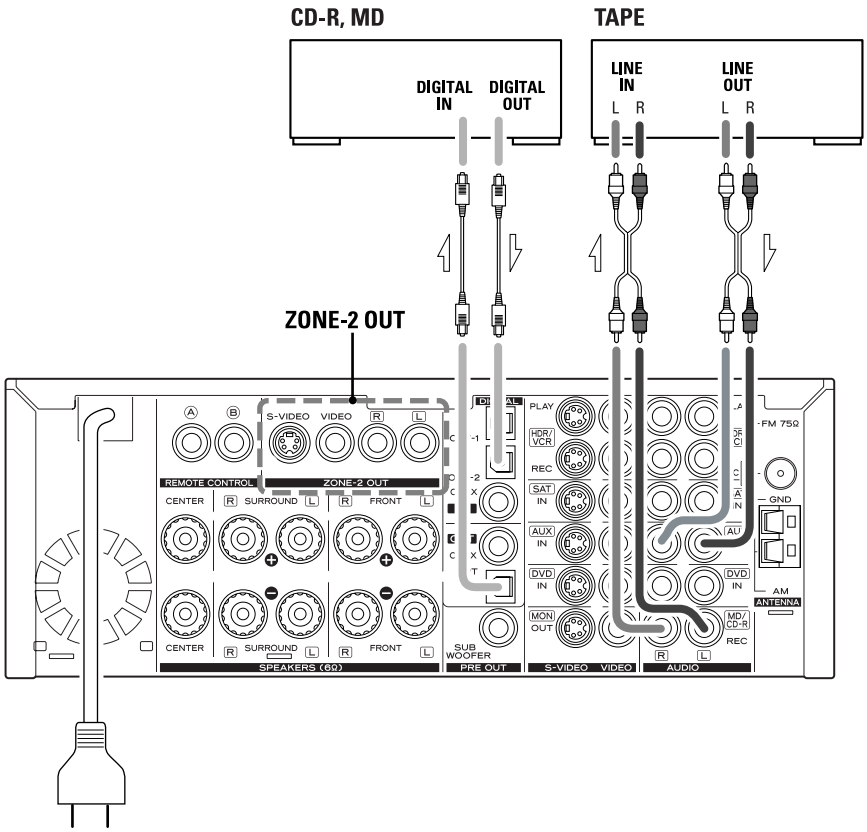
DIGITAL IN jacks

If your equipment is provided with a DIGITAL OUTPUT jack, connect it to the DIGITAL IN jack. (Use the optional coaxial cord or optical fiber cable.)

DIGITAL IN → DIGITAL OUT (Satellite Reciver, etc.)

- Connect any one of the DIGITAL IN terminals.
- When an optical fiber cable is used for connection, remove the caps protecting both ends of the optical cable and the connectors.

MD/CD-R, AC POWER CORD



Connection

CD-R/MD, TAPE

Connect the component with RCA pin cords. Make sure to connect :

white plug → white jack(L:left)
red plug → red jack(R:right)

DIGITAL IN/OUT terminals

Connect the component with optional cable or optical coaxial.

DIGITAL OUT → DIGITAL IN(CD-R, MD, etc.)
DIGITAL IN → DIGITAL OUT(CD-R, MD, etc.)

- Connect any one of the DIGITAL IN terminals.
- When using DIGITAL OPTICAL IN terminals, remove the caps from the terminals. When you do not use them, leave the caps in place.

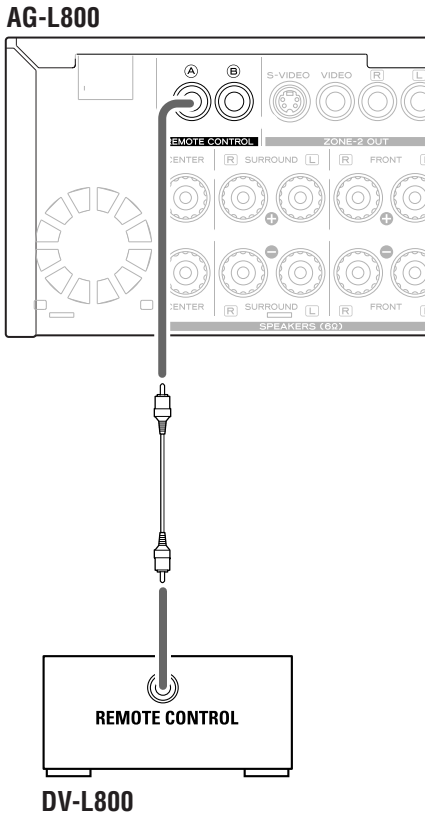
- To record digitally, connect the recorder(CD-R, MD, etc.) to DIGITAL OUT.

ZONE-2 OUT

This additional set of video and audio jacks is primarily intended to relay pictures and sound to a TV set in the next room.

Power cord (AC)

Be sure to connect the power cord to an AC outlet which supplies the correct voltage.
Hold the power plug when plugging or unplugging the power cord.



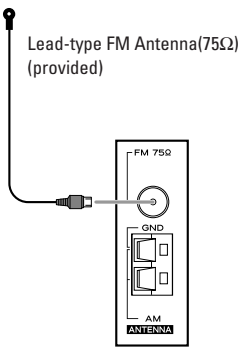
REMOTE CONTROL connection

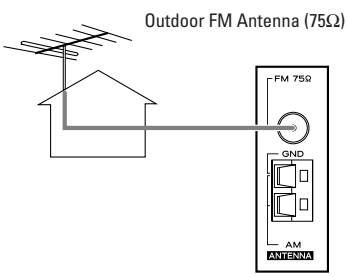
If you have TEAC DV-L800 or an equipement of this series, convenient system control operations and AI direct play functions are possible;

- By pressing the POWER switch on the AG-L800, you can switch ON/standby all the units connected by remote control cords.
- When you press the PLAY button of a source, the AG-L800 is automatically switched to the source.
- The source you select by turning the MULTI JOG knob on the AG-L800 will start playing automatically.
- When you turn on the system, the source that was selected last time will start playback automatically.
- You can use the system remote control unit to operate all the units connected by remote control cords.
- The DV-L800 turns off when placing the AG-L800 in other function modes than DVD.

Connect the REMOTE CONTROL jack(A or B) of each component by remote control cords.

Connecting Antennas (1)



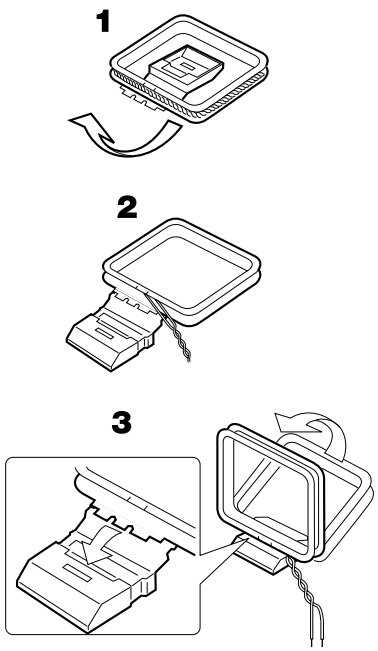


FM Indoor Antenna

If you live reasonably close to a transmitter and want to use the provided lead-type FM antenna, you will have to connect it direct to the "FM 75Ω" socket.
Fit the metal sleeve of the lead-type antenna over the core (center) conductor of the "FM 75Ω" socket, extend the lead and fix it to a window frame or wall with thumbtacks, or the like, where reception is best.

FM Outdoor Antenna

In an area where FM signals are weak, it will be necessary to use a 75-ohm unbalanced-type outdoor FM antenna using the optional matching transformer. Generally, a 3-element antenna will be sufficient; if you live in an area where the FM signals are particularly weak, it may be necessary to use one with 5 or more elements.



AM Indoor Loop Antenna

A high-performance AM loop antenna provided with the receiver is sufficient for good reception in most areas.
Connect the loop antenna's wires to the AM antenna terminals as shown.
Place the antenna on a shelf, for example, or hang it on a window frame, etc., in the direction which gives the best reception, as far away as possible from the entire system, speaker cords and the power cord, to prevent unwanted noise.

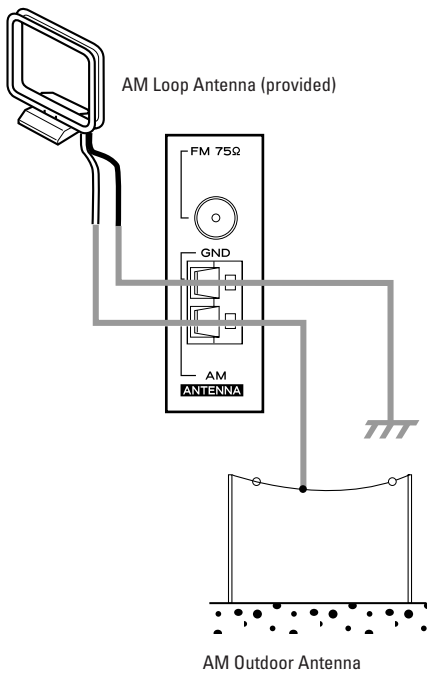
- To stand the antenna on a surface, fix the claw to the slot.
- Connect the black wire from the antenna to the GND terminal.

AM Outdoor Antenna

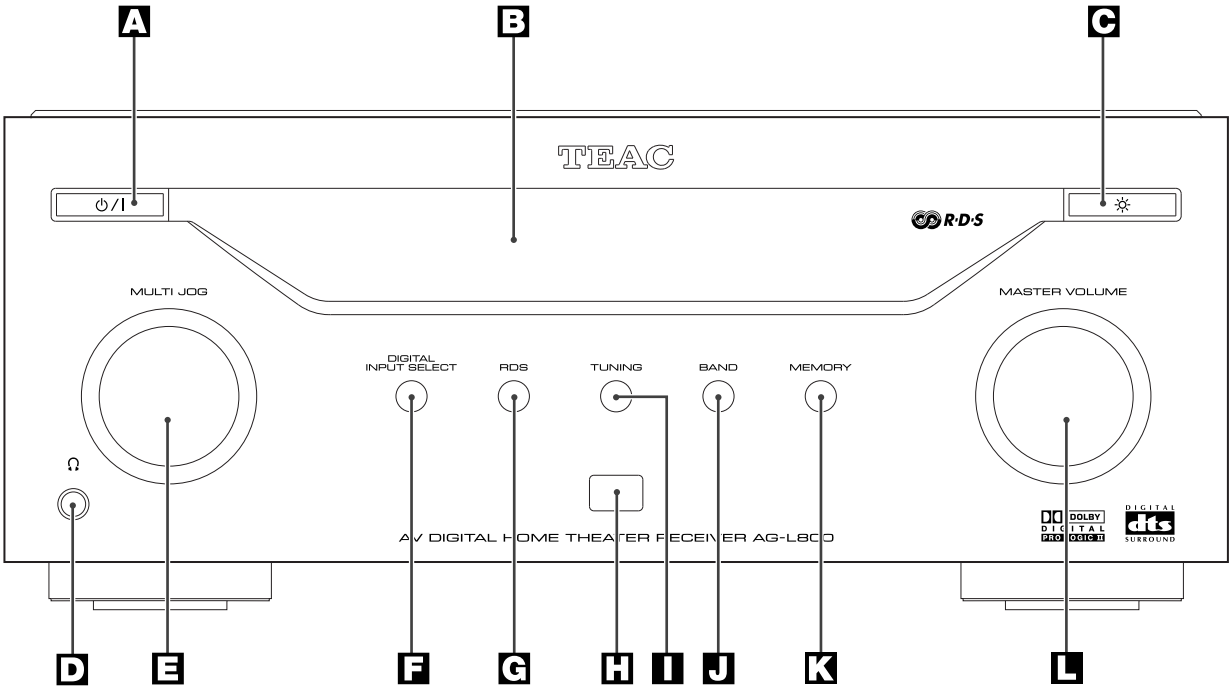
If the AM loop antenna provided does not deliver sufficient reception (because you are too far from the transmitter or in a concrete building, etc.), it may be necessary to use an outdoor AM antenna.
Use an insulated wire more than 15 ft (5 m) long, strip one end, and connect this to the terminal as shown.
The antenna wire should be strung outdoors or indoors near a window.
For better reception, connect the GND terminal to a reliable ground.

Note:

- Even when using an outdoor AM antenna, do not disconnect the AM loop antenna.



AM Outdoor Antenna



Front Panel

A POWER switch

Press this switch to turn the unit on or off (standby).

> The equipment draws nominal non-operating power from the AC outlet with its POWER switch in the OFF position.

B Display

C Dimmer switch

Use this to dim the front panel display.

D Headphones jack

Plug your set of stereo headphones in this jack.

E MULTI JOB knob

Use this to select input sources, to tune in to radio stations or to select preset channels.

F DIGITAL INPUT SOURCE button

Use this button to select digital inputs.

G RDS button

Use this to select information piggybacked on regular broadcasts from FM stations.

H Remote Sensor

When operating the remote control unit, point it towards the remote sensor.

I TUNING button

Use this to select tuning modes.

J BAND button

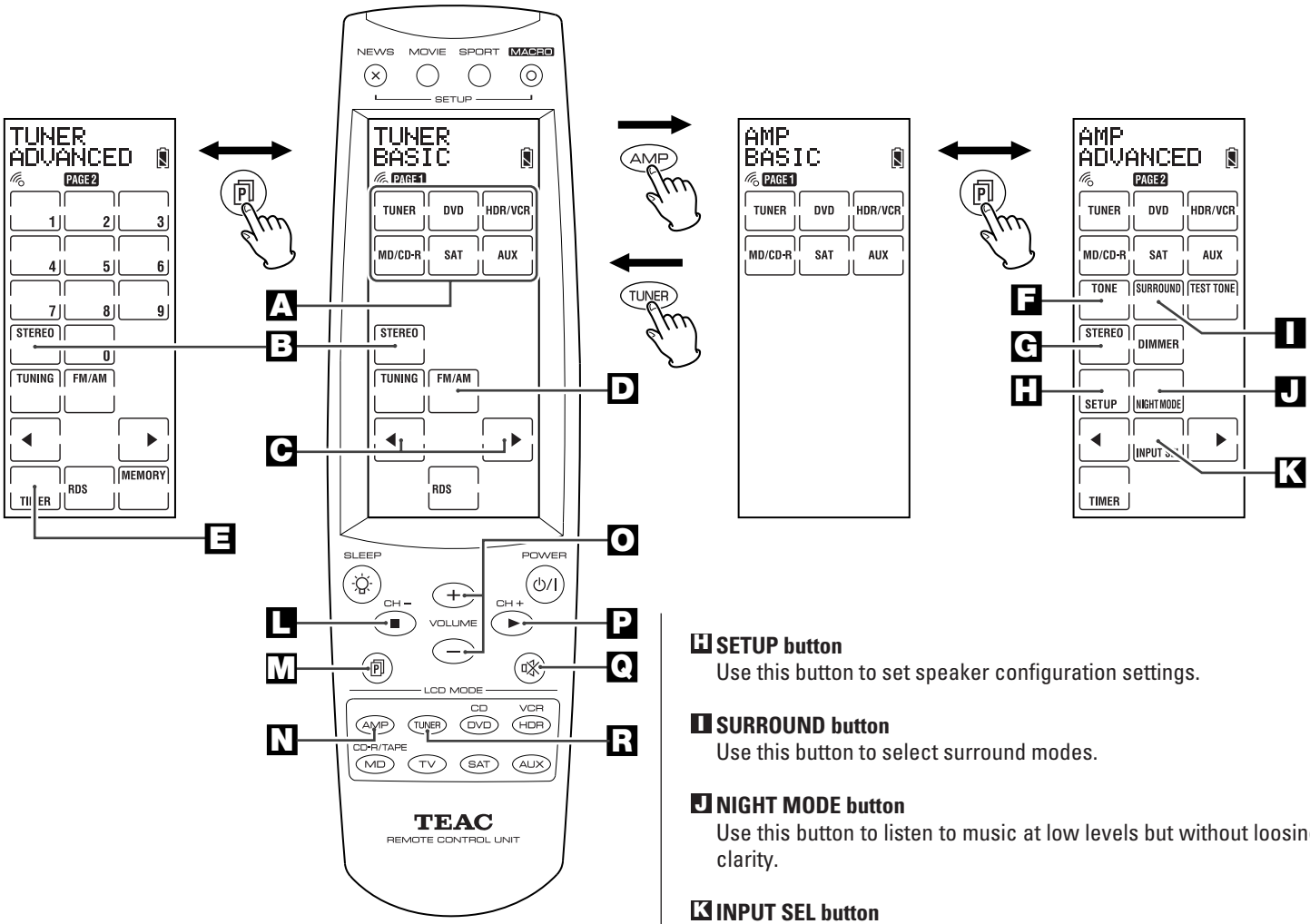
Use this to switch between AM and FM bands.

K MEMORY button

This button is typically used to preset radio stations.

L MASTER VOLUME knob

Use this to adjust the overall listening level.



Remote Control Unit

A Function buttons
Use these buttons to select function modes.

B STEREO button (in TUNER page)
Use this button to switch an FM broadcast between stereo and mono modes.

C Arrowhead buttons (◀/▶)
Use these buttons to scan through FM/AM freqencies for receivable broadcasts, automatically or manually, or to select your preset channels.

D FM/AM button
Use this button to switch between FM and AM bands.

E TIMER button
Use this button to set a built-in sleep timer.

F TONE button
Use this button in combination with the VOLUME buttons (+/-) to adjust the basses and trebles.

G STEREO button (in AMP ADVANCED page)
Use this button to instantly switch the surround mode to STEREO.

H SETUP button
Use this button to set speaker configuration settings.

I SURROUND button
Use this button to select surround modes.

J NIGHT MODE button
Use this button to listen to music at low levels but without loosing clarity.

K INPUT SEL button
This button provides the same function as the DIGITAL INPUT SELECT button on the AG-L800 itself.

Below the LCD display

L CH – (■) buttons
On an AMP page this button is used as a stop button (■). On a TUNER page this button is used to scan for stations on lower frequencies.

M PAGE buton
Use this button to switch between two TUNER pages or between two AMP pages.

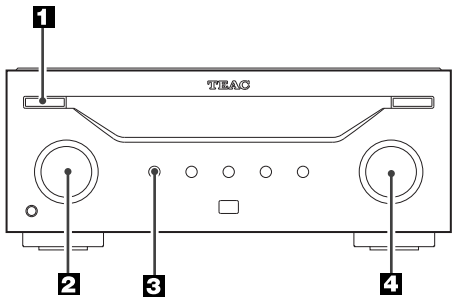
N AMP button
Switch the remote control unit to the AMP mode.

O VOLUME buttons (+/–)
These buttons provide the same functions as the MASTER VOLUME knob on the AG-L800 itself.

P CH + (▶) button
On an AMP page this button is used as a play button (▶). On a TUNER page this button is used to scan for stations on higher frequencies.

Q MUTE button
This button is used to momentarily stop the speaker outputs.

R TUNER button
Switch the remote control unit to the TUNER mode.



1 **Press the POWER button.**

The equipment draws nominal non-operating power from the AC outlet as long as the power cord is connected.

2 **Select a source by turning the MULTI JOG knob.**

DVD
HDR/VCR
SAT
MD/CD-R (Digital input only)
FM (or AM) (Analog input only)
AUX

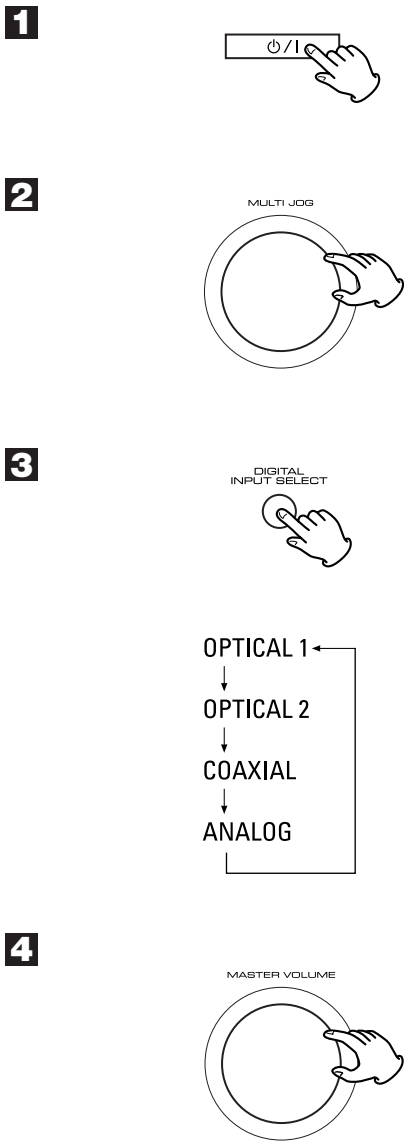
Alternatively, you can press the corresponding buttons on the AMP (or TUNER) BASIC page of the remote control unit.

3 **When DVD, MD/CD-R , SAT or AUX is selected, press the DIGITAL INPUT SELECT button to select "OPTICAL1", "OPTICAL2", "COAXIAL" or "ANALOG" in accordance with your connection.**

Alternatively, you can press the INPUT SEL button on the AMP ADVANCED page of the remote control.

If a digital input source indication ("OPT 1", "OPT 2" or "COAX") blinks on the display:
A digital input source is selected, but the source isn't connected or is not switched on.
In that case, connect and switch the source on, or select ANALOG by pressing the DIGITAL INPUT SELECT button.

4 **Play the source, and gradually turn up the volume to the required level with the MASTER VOLUME control.**

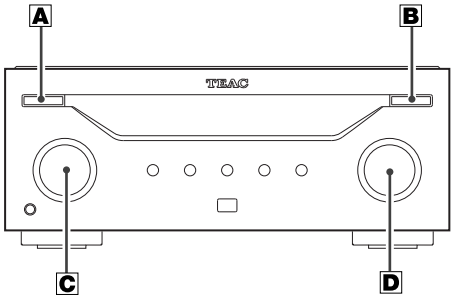


Recording a Source

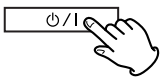
You can record a source such as a Compact Disc onto an MD or CD-R or cassette recorder connected to the MD/CD-R REC jacks or the DIGITAL OUT jacks.

1 **Turn the MULTI JOG knob to select the source to be recorded.**

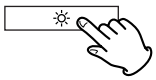
2 **Start recording.**



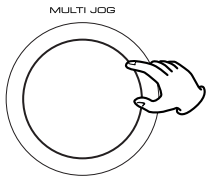
A



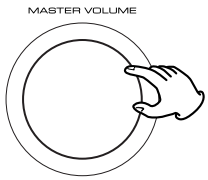
B



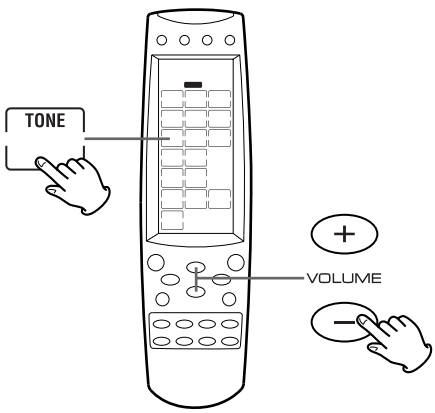
C



D



E



F

A Power-on/Standby switch

At the push of the power switch (⏻/I), the unit powers on. A second press puts the unit into standby mode, a small indicator lighting to the right of the switch.

B Dimming the display screen

Press the button marked ☼ and the display dims. Press it again to switch back to normal brightness.

C MULTI JOG knob

In addition to select input sources, this konb is also used to tune in to radio stations or to select preset channels.

D MASTER VOLUME knob

To control the overall listening level, turn the MASTER VOLUME knob or press the VOLUME buttons (+/–) on the remote control unit.

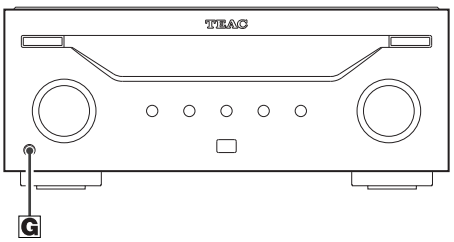
E Tone Control

Display the AMP ADVANCED page by pressing the AMP and P buttons on the remote control unit. Then, by pressing the TONE button on the accessed page, display "BASS" or "TREBLE" in the front panel display and press the VOLUME buttons (+/–) (or turn the MASTER VOLUME knob).

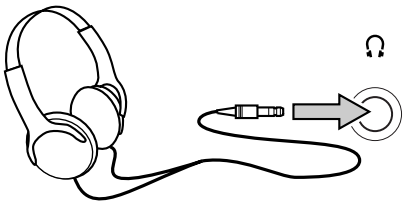
F Muting

To mute the sound temporarily, press the 🔇 button on the remote control unit. "MUTE" is displayed in the front panel display.

To restore sound, press the 🔇 button again. If you change the volume during the muting, the muting will be canceled.



G



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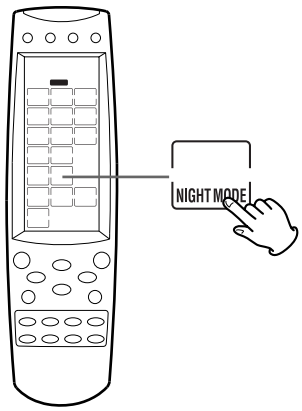
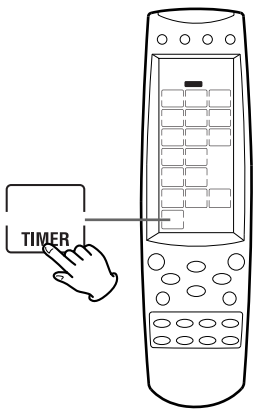


I



G PHONES jack

For private listening, insert the headphones (1/4-inch plug) into the PHONES jack. The sound from speakers will be cut off.

Note:

- When plugging in the headphones, the STEREO mode is automatically switched on, overriding whatever surround mode is selected, and the SURROUND button (on the AMP ADVANCED page of the remote control) is disabled.

H NIGHT MODE function

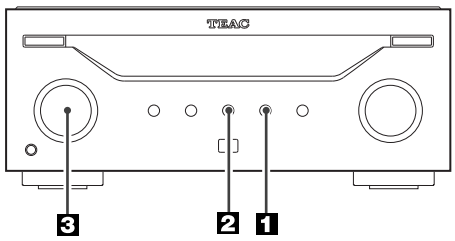
When very dynamic movie soundtracks are played at low volume, such as late at night, you can use Night Mode to apply appropriate compression so that low-level program content is not lost and high level effects are restrained. (DOLBY DIGITAL only)

I Sleep Timer Function

This function allows you to preprogram the receiver to switch its own power off automatically. You can then enjoy the audio/video system for a specified amount of time without having to worry about turning the unit off later.
Each press of the TIMER button changes the time indication by 10 minutes.

→ SLEEP 90 → SLEEP 80, 70, ... → SLEEP 10
(Sleep timer is off) ←

To let the remaining time (until power off) appear on the display while the sleep timer is engaged, press the TIMER button once.



1 **Press the BAND button.**

Each time you press the BAND button, the unit alternates between AM and FM bands.
Alternatively, you can use the FM/AM button on the TUNER BASIC (or ADVANCED) page of the remote control unit.

2 **Press the TUNING button twice.**

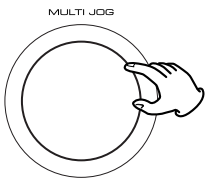
"AUTO" should start blinking in the display.

- If you select the PRESET mode and 5 seconds or more is up, the MULTI JOG knob is available for changing the function mode.

1

2

3



3 **Turn the MULTI JOG knob a little bit in either direction.**

Turning the knob to the right lets the unit search for receivable stations on upper frequencies. Turning the knob to the left lets the unit search stations on lower frequencies.

Alternatively, you can use the ◀/▶ buttons on a TUNER page (BASIC or ADVANCED) of the remote control unit.

When a station is tuned in, the tuning process will stop automatically.
Press the TUNING button to stop the auto selection.

- **Selecting stations which cannot be tuned to automatically. (manual selection)**
  Press the TUNING button to get "MANUAL" displayed, blinking, and then turn the MULTI JOG knob to the right or left. The frequency will change in the following steps:

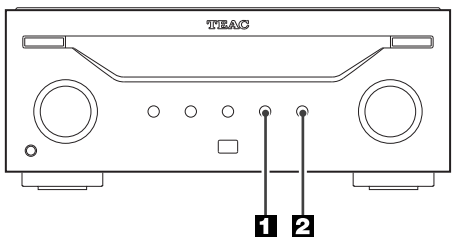
  FM : 50kHz
  AM : 9kHz

- "STEREO" is displayed when a stereo broadcast is tuned in.
- "TUNED" is displayed when a broadcast is correctly tuned in.

When a stereo FM broadcast is not clear, press the STEREO button on a TUNER page of the remote control unit to switch into the mono mode. The stridency will be less perceptible.

How to select preset stations

Press the TUNING button to get "PRESET" displayed, blinking. Then turn the MULTI JOG knob to select preset channels. Alternatively, you can use the numeric buttons on the TUNER ADVANCED page of the remote control unit.



You can preset a maximum of 30 favorite channels on each of the FM and AM bands.

Automatic Memory Presetting

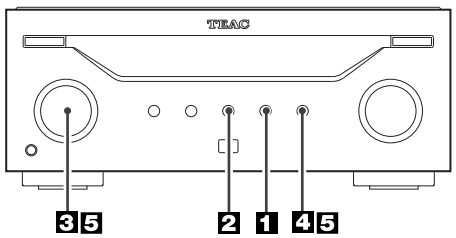
1 Press the BAND button.

The unit should shift to the tuner mode.

Each time you press the button, the unit alternates between AM and FM bands.

2 Press the MEMORY button.

Then broadcasting will be automatically received, and well-received stations will be memorized from channel 1 one after another.



Manual Memory Presetting

1 Press the BAND button.

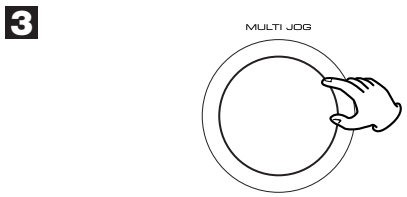
Alternatively, you can press the FM/AM button on the TUNER ADVANCED page of the remote control unit.

Each time you press the button, the unit alternates between AM and FM bands.

2 Press the TUNING button to get "MANUAL" displayed, blinking.

3 Select the frequency you want to preset by turning the MULTI JOG knob.

Alternatively, you can press the ◄ and ► buttons on the TUNER ADVANCED page of the remote control unit.



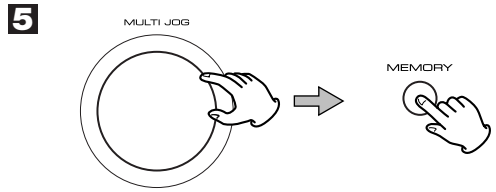
4 Press and hold down the MEMORY button for a while.

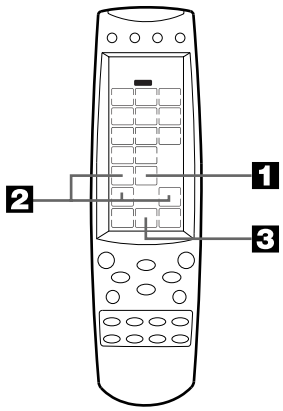
5 While "MEMO" is lit in the display, turn the MULTI JOG knob to select a preset channel, and then press the MEMORY button.

Instead of the MULTI JOG knob you can use the numeric buttons on the TUNER ADVANCED page of the remote control unit.

To store more stations, repeat steps 3 to 5.

Note: You cannot delete presets selectively. Store stations in unnecessary presets if you want to.





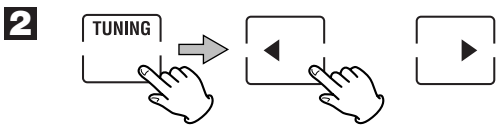
RDS is a broadcasting service which allows stations to send additional information along with the regular radio program signal RDS services can be received only in FM band.

Switch the remote control unit to show the TUNER ADVANCED (or BASIC) page by pressing the TUNER and P buttons.

RDS Display

1 Press the FM/AM button to select FM.

2 Select a station by use of the TUNING and ◄/► buttons.
The RDS indicator lights and displays FM station name (PS mode). This unit receives and displays the following kinds of data.



PS (Program Service Name): Displays FM station name.
PTY (Program Type): Program type will be displayed while receiving FM.
RT (Radio Text): Displays the news of stations composed of up to 64 symbols.
CT (Clock Time): Displays the information about times provided from the station.
TP (Traffic Program).
TA (Traffic Announcement).

3 Press the RDS button.
Each time you press the button briefly (1.5 sec or less), the modes will change as follows regardless of the current mode.

CT → PTY → RT → TA
PS ← off (frequency display) ←

(1) CT mode

- When you select CT with the RDS button, "CT" will blink for about 4 seconds. After 4 seconds, the clock time will be displayed.
- If there is no CT data among received broadcastings, after about 3 minutes PS (station name) will be displayed.

(2) PTY mode

- When you select PTY with the RDS button, "PTY" will blink for about 4 seconds. After 4 seconds, the type of received PTY will be displayed. There are 31 kinds of PTY Data as follows.

NEWS	brief annoucements, events, public opinion, reports, actual situations.
AFFAIRS	a kind of suggestion including practical annoucements other than news, documents, discussion, analysis and so on.
INFO	daily information or reference such as weather forecast, consumer guide, medical assistance and so on.
SPORT	sports-related programs.
EDUCATE	educational and cultural information.
DRAMA	all kinds of radio concert and serial drama.
CULTURE	all aspects of national or local culture including religious events, philosophy, social science, language, theatre, and so on.
SCIENCE	programs on natural science and technology.
VARIED	popular programs such as quiz, entertainment, private interview, comedy, satire and so on.
POP M	program on commercial, practical and popular songs, and sale volume of discs, etc.
ROCK M	practical modern music generally composed and played by young musicians.
M.O.R.M	popular music usually lasting for less than 5 minutes.
LIGHT M	classical music, instrumental music, chorus, and light music favoured by non-professionals.
CLASSICS	orchestra including great operas, symphony, chamber music and so on.
OTHER M	other music styles (Rhythm & Blues, Reggae, etc.)
WEATHER	weather reports, forecast.
FINANCE	financial reports, commerce, trading.
CHILDREN	children's programs.
SOCIAL-A	social affairs.
RELIGION	religious programs.
PHONE-IN	program in which the public expresses its view by phone.
TRAVEL	travel reports.
HOBBIES	programs concerning recreational activities.
JAZZ	jazz music.
COUNTRY	country music.
NATION-M	national music.
OLDIES	music from the so-called golden of popular music.
FOLK-M	folk music.
DOCUMENT	documentaries.
TEST	alarm test.
ALARM	this is a program notifying an emergency or a natural disaster.

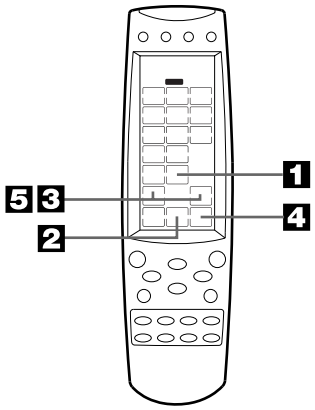
- If there is no PTY data among received broadcastings, RDS mode will be switched to PS mode automatically.

(3) RT mode

- When you select RT with the RDS button, "RT" will blink for about 4 seconds. After 4 seconds, the data of received RT will be displayed.
- If there is no RT data among received broadcastings, RDS mode will be automatically switched to PS mode.

(4) TA mode (TP Search Function)

- When you select TA by use of the RDS button, "TA" will blink for about 4 seconds. After 4 seconds, TP received broadcasting will be searched with FM frequency increasing in 50 kHz steps.
- If TP received broadcasting is searched, the increase in frequency will stop and it is asked whether TA will be received or not.
- If TP and TA turn off while you are receiving TA, the tuner will search TA broadcasting again with FM frequency increasing in 50 kHz steps.



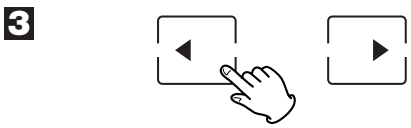
How to Search For Your Desired Program Using PTY Search

1 Press the FM/AM button to select FM.

2 Press the RDS button for longer than 1.5 seconds.
Then "SEARCH" will be shown in the display.

3 Select the desired PTY mode by pressing the ◄/► buttons or turning the MULTI JOG knob.

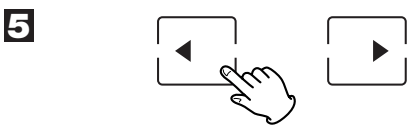
- Select your desired one from among 31 kinds of PTY programs. The program will blink.

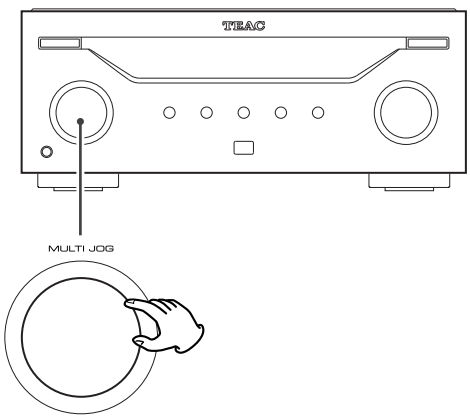


4 Press the MEMORY button.
The program indicator is changed to light steadily.

5 Press the ◄ or ► buttons or turn the MULTI JOG knob to the right or left just a little bit. Searching will start.

- When the PTY mode that you have selected is searched, searching will stop and the PTY mode will be displayed.
- If the same program type is not found during PTY Search, it will stop at the beginning frequency.
- If you want to cancel PTY search while searching, press the RDS button. Searching will stop and search mode will be released automatically.





Playing Video Sources

1 Depending on the video source connection, select "DVD", "HDR/VCR", "SAT" or "AUX" by turning the MULTI JOG knob.

2 When "DVD", "SAT" or "AUX" is selected, press the INPUT SEL button to select the input in use.

3 The picture from the video source can be seen on the TV and the sound from the video source will be heard from the speakers.

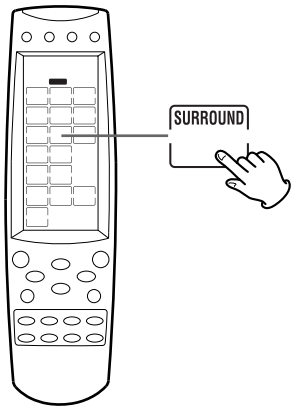
Video Dubbing

1 Select the video source by turning the MULTI JOG knob.

2 Play back the source.

3 Switch your VCR into the record mode.
Video/audio signals coming in from the selected source are sent out of the HDR/VCR REC (analog) jacks to your VCR.

Note:
- Be sure to connect the “AUDIO” VCR/TAPE OUT in addition to the VIDEO VCR/TAPE OUT.



The surround functions create a “live” atmosphere such as that experienced in movie theaters, discos, stadiums and concert halls.

Select the appropriate surround mode according to the program source.

- Note that surround speakers are needed for the DTS, Dolby Digital 5.1CH and the Dolby Pro Logic Surround modes to function, and a center speaker is needed for the 3 Stereo mode to function.
- When a DTS or Dolby Digital format signal is input, the surround mode automatically switches to the DTS or DOLBY DIGITAL modes.

Press the SURROUND on the AMP ADVANCED page of the remote control unit to turn the surround mode on.

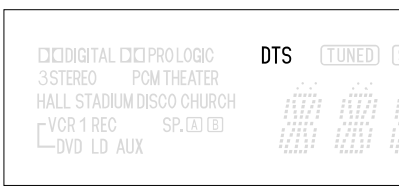
Every time the SURROUND button is pressed, the mode is changed as shown : A

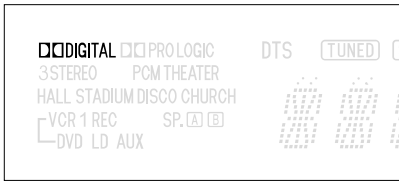
This unit is provided with the following surround modes.

A

DTS
↓
DOLBY DIGITAL
↓
DOLBY PRO LOGIC II MOVIE
↓
DOLBY PRO LOGIC II MUSIC
↓
DOLBY PRO LOGIC II EMULATION
↓
3 STEREO
↓
THEATER
↓
HALL
↓
STADIUM
↓
DISCO
↓
STEREO

(Available modes depend on the source)





DTS

During playback of a DVD disc recorded in DTS format, the surround mode is set to DTS automatically.

DTS Digital Surround delivers up to 6 channels of transparent audio (which means identical to the original masters) and results in exceptional clarity throughout a true 360˚ soundfield.

If you select STEREO mode during playback of DVD, the multi-channel sound is downmixed to 2 channels.

DOLBY DIGITAL

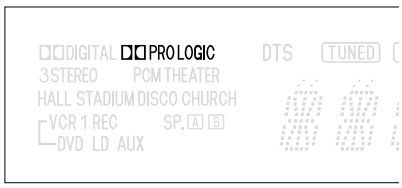
During playback of a DVD disc recorded in DOLBY DIGITAL 5.1-CH format, the surround mode is set to DOLBY DIGITAL automatically.

With a Dolby Digital 2-channel audio source, you can select from options of from DOLBY PRO LOGIC II to STEREO.

Dolby Digital delivers up to 5 totally discrete, full frequency audio channels (front left and right, center, and surround left and right), plus 0.1 channel called LFE*(Low-Frequency Effects).

If you select STEREO mode during playback of DVD, the multi-channel sound is downmixed to 2 channels.

* LFE: Low Frequency Effects
  This channel delivers separate non-directional bass signals to the subwoofer for more dynamic deep bass sound effects.



DOLBY PRO LOGIC II gives you multichannel surround sound from any stereo source.

- DOLBY PRO LOGIC II will not work on monaural source.

DOLBY PRO LOGIC II MUSIC

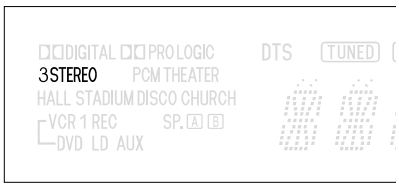
The Music mode creates a rich and enveloping surround ambience from stereo sources such as CDs.

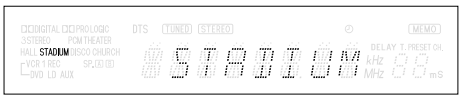
DOLBY PRO LOGIC II MOVIE

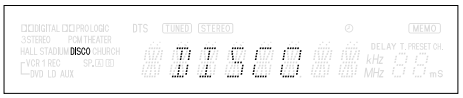
The Movie mode is optimized for movies or programs with Dolby Surround soundtracks. This mode is also appropriate for use with video games.

DOLBY PRO LOGIC II EMULATION

Similar to the surround effect of DOLBY PRO LOGIC.







DOLBY 3 STEREO

Front speakers receive surround speaker's signals in addition to front speaker's signals.

This mode improves imaging without the use of surround speakers.

THEATER Surround

This mode provides a three dimensional effect similar to that of movie theater.
With this mode, you can enjoy a surround effect similer to Dolby Surround sound even when playing a video program which is not encoded with the Dolby Surround system.

HALL Surround

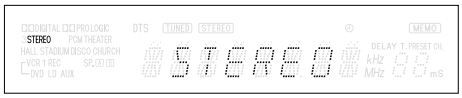
When playing recordings of live music, this mode provides a feeling similar to actually being in a concert hall.
When this mode is selected, the normal program source is directed to the main speakers and a reverberated sound is directed to the surround speakers.
This mode is suited to program sources which contain a large amount of reverberation.

STADIUM Surround

The reverberation of this mode produces a sound field which recreates the sound of a stadium.

DISCO Surround

Gives a greatly expanded feel to powerful music such as dance or rock.

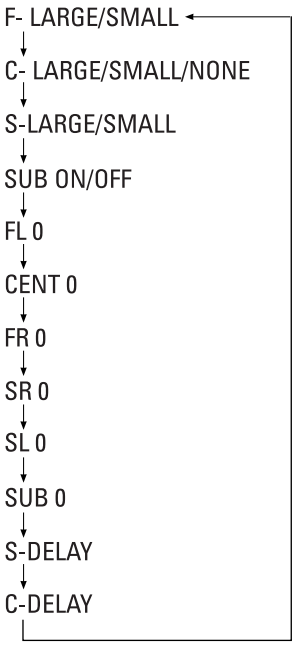


STEREO

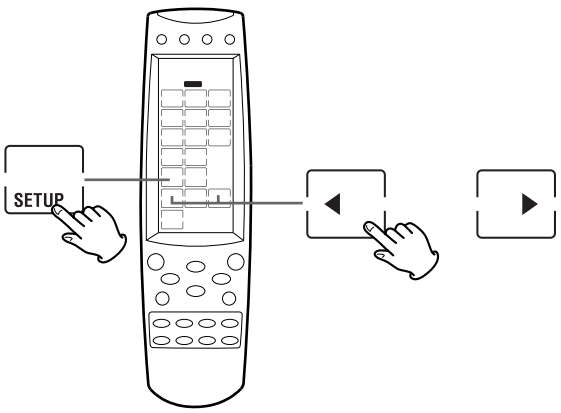
Sound is output from front speakers.
If you select STEREO during playback of DVD recorded with DTS or DOLBY DIGITAL, the multi-channel sound is downmixed to 2 channel.

Stereo mode is also entered when you plug in the headphones or press the STEREO button (on the AMP ADVANCED page of the remote control unit).

A



Note:
Not all settings are available depending on the current surround mode.



It is important to perform speaker configuration prior to using the decoder.

At each press of the SETUP button on the AMP ADVANCED page of the remote control unit, the mode is changed as shown : A
(The indications differ from this diagram depending on the surround mode you select. If you want to set all the settings available, play a DOLBY DIGITAL 5.1-channel audio source.)

When no action is taken for 10 seconds, the display returns to the normal mode.

1 Press the SETUP button repeatedly until the desired Speaker Configuration is shown on the display.

2 Use the arrowhead buttons (◀/▶) to set the appropriate status.

When you select "SMALL" for the front speakers, the subwoofer is automatically switched ON (and it is useless to scan for SUB ON/OFF settings on the display).

Repeat steps 1 and 2 to set other configurations.

When all the configurations have been finished, press the SETUP button repeatedly until the display returns to the normal mode, or leave the unit for 10 seconds.

FRONT SPEAKER Mode:

- F-LARGE: The mode to choose if a large speaker is installed. Front channels output is full range.
- F-SMALL: The mode to choose compact speakers. The front channels' bass contents (90 Hz and below) are reproduced by subwoofer.

CENTER SPEAKER Mode:

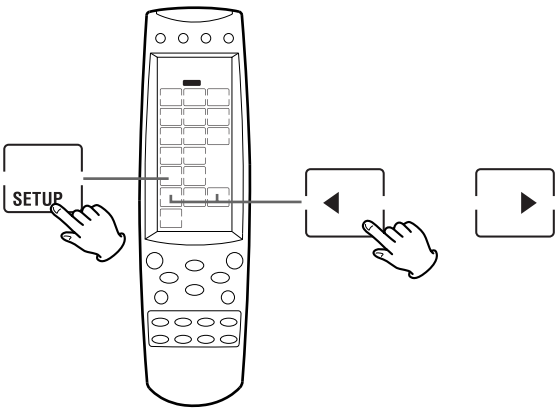
- C-LARGE: Use this mode with a large center speaker. The center channel's output is full range.
- C-SMALL: Use this mode with a small center speaker. The center channel's bass content (90 Hz and below) is reproduced by subwoofer. If there is no subwoofer installed, the center channel's bass content is routed to the center speaker as in the C-LARGE mode.
- C-NONE: Use this mode if there is no center speaker. The center channel signal will be divided between the main L and R speakers.

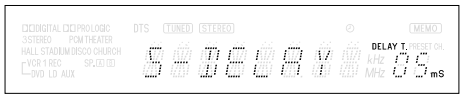
SURROUND SPEAKER Mode:

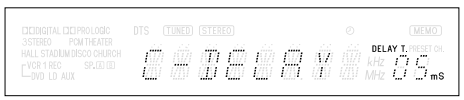
- S-LARGE: The mode to choose if a large speaker is used or if a subwoofer is connected in parallel. The rear channels output is full range.
- S-SMALL: The mode to choose if small speakers are used. The surround channels' bass contents (90 Hz and below) are reproduced by subwoofer. If there is no subwoofer installed, the surround channels' bass contents are routed to the surround speakers as in the S-LARGE mode.
- S-NONE: Use this mode if there are no rear speakers installed.

SUBWOOFER output:

- SUB-ON:The mode to choose if a subwoofer is used.
- SUB-OFF:The mode to choose if no subwoofer is used.
  Sound from LFE channel is routed to the front speakers.







Delay Time

1 Press the SETUP button (on AMP ADVANCED page) as many times as necessary to display "DELAY".

2 Press the arrowhead buttons (◀/▶) to enter a time.

When you adjust the delay time in the Dolby Digital mode, an additional 10 mS is automatically added to the surround channels in the Dolby Pro Logic II Movie mode. The current setting is shown on the display.

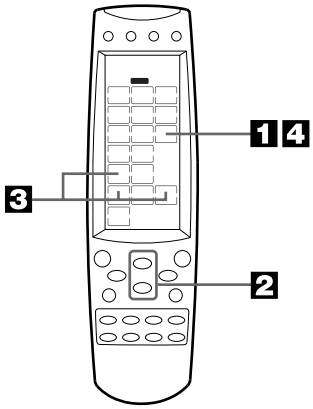
Delay Time Setting
Adjustable Range

DOLBY DIGITAL Mode
0 – 15 mS in 1 mS step (S-Delay)
0 – 5 mS in 1 mS step (C-Delay)

DOLBY PRO LOGIC II MUSIC Mode:
0 – 15 mS in 1 mS step (S-Delay)

DOLBY PRO LOGIC II MOVIE Mode:
10 – 25 mS in 1 mS step (S-Delay)

Ideally all your speakers would be placed at the same distance from the listening position. If circumstances don't allow this arrangement, you can compensate for inconsistencies in distance by setting delay times, so that audio signals reach all the speakers at the right time.
A rough rule of thumb: a speaker virtually moves away about 30 cm with an increase of 1 mS in delay time setting.



Balancing relative volume between speakers

The test tone function is useful to adjust the relative volume between speakers in DTS, DOLBY DIGITAL or DOLBY PRO LOGIC II mode.
Once the balance set, you don't have to change the balance as long as the speakers aren't moved.

- Press the AMP and P buttons on the remote control unit to display the AMP ADVANCED page.

Note:
- The TEST TONE button does not work in the STEREO mode.

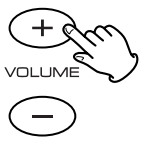
1

1 Press the TEST TONE button.

The test tone is emitted from each speaker in the following order at 2-second intervals.

FL (Front Left) → C (Center) → FR (Front Right) → SUB ← SL (Surround Left) ← SR (Surround Right) ←

2



2 Adjust the master volume to the normal listening level.

3

3 Adjust the volume of center and rear speakers so that the test tone from each speakers sounds same.

Select a speaker by pressing the SETUP button, and adjust the level by pressing the arrowhead buttons (◀/▶). To do this, you have to first stop the test tone by pressing the TEST TONE button.
- The level of speakers can be adjusted in 1 dB steps from -10 dB to +10 dB.

4

4 When the setting is finished, press the TEST TONE button to stop the test tone.

Note :
- If certain speakers are not being used, (for example, no center speaker) the noise sequencer will automatically skip over that channel.

If you have problems with your system, look through this chart and see if you can solve the problem yourself before calling your dealer or TEAC service center.

No power

➔ Check the connection to the AC power supply.

No sound or only a very low-level sound is heard.

➔ Check that the speakers and components are connected securely.
➔ Check the operation of the connected component.
➔ Check the audio output setting of the connected component.
➔ Adjust the volume.
➔ If muting is on, press the muting button ( ) on the remote control unit.

The sound is noisy.

➔ The unit is too close to a TV set or similar appliances. Relocate the unit , or turn them off.

Sound cuts off during listening to the music or no sound even though power is ON.
"PROTECT" is displayed

➔ Speaker impedance is less than prescribed for this unit. Use a speaker with an impedance of between 4 and 8 ohms, preferably 6 ohms.
➔ Turn the power off and turn it on again. Then reduce the volume.

Cannot select the desire surround mode

➔ Check the source to play for compatibility (DTS, Dolby Digital, etc).
➔ Check the speaker configuration settings.

Low bass response.

➔ Speaker polarity (⊕/⊖) is reversed. Check all speakers for correct polarity.
➔ Turn on your powered Subwoofer.

Cannot listen to any station, or signal is too weak.

➔ Tune in the station properly.
➔ If a TV is near the unit, turn it off.
➔ Install the antenna again after locating the best reception position.
➔ An external antenna may be required.

The tuning step is not consistent with broadcasts in your country.

➔ To correct the tuning step, hold down the FM/AM or BAND for more than 4 seconds.

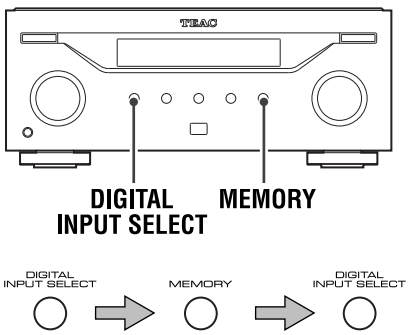
Remote control does not work.

➔ If the batteries are exhausted, change the batteries.
➔ Use remote control unit within the range (5m/15ft) and point at the front panel.
➔ Clear obstacles between the remote control unit and the main unit.
➔ If a fluorescent light is near the unit, turn it off.
➔ Check the operation of your remote control unit. (Turn it on and select an appropriate device.)

If normal operation cannot be achieved, unplug the power cord from the outlet and plug it again.

To reset the unit

In the following cases, function buttons may not work properly.
1) When the system is damaged by some electrical shock.
2) When the power is irregular or has electrical noises.
In such a case, reset this unit by quickly (technically, at intervals of 0.7 second) pressing the following two buttons on the front panel in the order indicated.



When you press the buttons at proper intrevals and the unit is reset, the currrent date is momentarily displayed and the unit is automatically switched on.

* Preset your favorite radio stations again as they are erased from memory. Ditto for your speaker configuration settings.

Amplifier Section

Output Power (Stereo) (0.9 % THD, 1 kHz, 8 ohms):
80 watts RMS per channel minimum, both channels driven into 8 ohms from 20 Hz to 20kHz with no more than 0.9% total harmonic distortion

Surround Output Power (0.5 % THD, 1 kHz, 6 ohms):
50 + 50 watts (Front)
50 watts (Center)
50 + 50 watts (Rear)

Total Harmonic Distortion (Stereo):
0.02% (at 80 watts, 1 kHz)

Delay Time:
DOLBY DIGITAL: REAR 0 – 15 ms
CENTER 0 – 5 ms
DOLBY PRO LOGIC II: REAR 15 – 30 ms

Audio Input Sensitivity/Impedance:
* LINE: 400 mV/47 k ohms

Output Level/Impedance:
VCR/TAPE, CD-R/MD, PRE OUT : 185 mV / 2.2 k ohms

Frequency Response:
* LINE: 20 Hz – 65 kHz, +1 / –3 dB

Signal-to-Noise Ratio:
* LINE: 70 dB (IHF-A)

Tone Control:
BASS: ± 10 dB at 100 Hz
TREBLE: ± 10 dB at 10 kHz

Digital Audio Section

Sampling Frequency:
32 kHz, 44.1 kHz, 48 kHz, 96 kHz

DIGITAL Input Level/Impedance:
COAXIAL: 0.5 Vp-p / 75 ohms
OPTICAL: –15 dBm to –21 dBm

Video Section

Input Sensitivity/Impedance:
1.0 Vp-p / 75 ohms

Output Level/Impedance:
1.0 Vp-p / 75 ohms

FM Tuner Section

(Without notes 100.1 MHz, 65 dBf)

Tuning Range:
87.5 MHz – 108.0 MHz (50 kHz steps)

AM Suppression Ratio: 45 dB

Total Harmonic Distortion (1 kHz):
Mono: 0.4%
Stereo: 0.5%

Frequency Response:
30 Hz – 15 kHz, +1/ –1.5 dB

Stereo Separation (1 kHz): 40 dB

Signal-to-Noise Ratio:
Mono: 75 dB
Stereo: 70 dB

AM Tuner Section

Tuning Range:
522 kHz – 1,629 kHz (9 kHz steps)

Usable Sensitivity: 55 dB/m

Total Harmonic Distortion:
0.8% at 85 dB/m

Signal-to-Noise Ratio:
45 dB at 85 dB/m

General

Power Requirements: 230 V AC, 50 Hz

Power Consumption: 340 W

Dimensions (W x H x D)
275 x 111 x 331 mm

Weight (net): 3.9kg

Standard Accessories:
AM Loop Antenna x 1
FM Lead-type Antenna x 1
LCD Remote Control System (RC-L800) x 1
AAA (R03, UM-4) Battery x 4
Owner's Manual (AG-L800) x 1

* LINE means VCR, SAT, AUX.

- Improvements may result in specifications and features changing without notice.
- Illustrations may differ slightly from production models.

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This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number Serial number

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